

METHOD AND STRUCTURE FOR PRODUCING HIGH PERFORMANCE LINEAR ALGEBRA ROUTINES USING STREAMING

ABSTRACT

A method (and structure) for executing a linear algebra subroutine on a computer having a cache, includes streaming data for matrices involved in processing the linear algebra subroutine such that data is processed using data for a first matrix stored in the cache as a matrix format and data from a second matrix and a third matrix is stored in a memory device at a higher level than the cache, the streaming providing data from the higher level as the streaming data is required for the processing.

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